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ABSTRACT

A method of heat treating tool steel by using a high intensity infrared heating source, said source being tungsten halogen heat lamps which operate in air, non-air and/or vacuum environments, and a tool steel heat treat system which includes a furnace containing said tungsten halogen lamp means, a lining of a reflective metal and, preferably, support structure for the tool steel workpieces which are composed of ceramic or other high melting point material.